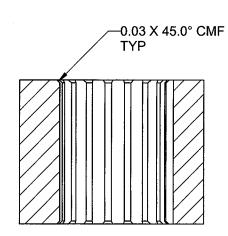
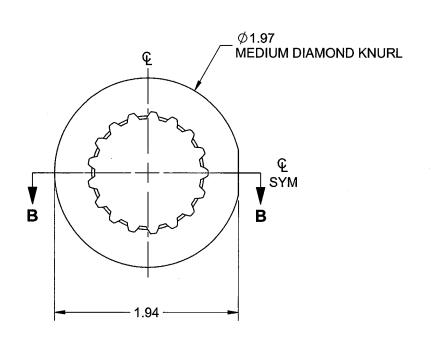
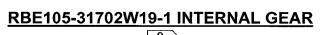


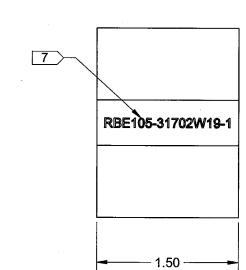
NUMBER OF TEETH	17
MODULE	1.75
PRESSURE ANGLE	30°
TIP DIAMETER	[28.50-28.63]
ROOT FORM CIRCLE DIAMETER	[31.72] MIN
ROOT DIAMETER	[32.00-32.47]
MAX ACTUAL SPACE WIDTH	[2.987]
MIN ACTUAL SPACE WIDTH	[2.955] REF
MIN EFFECTIVE SPACE WIDTH	[2.937]
MEASURING CIRCLE DIAMETER	[3.000]
MAX DIMENSION OVER MEASURING CIRCLES	[25.760]
MIN DIMENSION OVER MEASURING CIRCLES	[25.699] REF



SECTION B-B







2

1) MATERIAL: 4140 (28-32 RC)
2) HEAT TREAT: N/A
3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III

OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
4) TOLERANCES: X.X = +/- 0.1" / +/- 1.5°

X.XX = +/- 0.005" / +/- 0.1°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/-0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) REMOVE ALL SHARP EDGES AND BURRS
7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK P/N, "RBE105-31702W19-1", AS SHOWN
8) SPLINE MUST SLIDE EASILY ALONG SPLINE OF ITEM -7

DESIGN	KPT
DRAWN	KPT
CHECKED	PM
MFG. APPR.	DP/1
APPROVED	14/

3

٠	DART AEROSPACE LTD
	HAWKESBURY, ONTARIO, CANADA
	TOOL PART #
	RBE105-31702W19

REV. C SHEET 2 OF 10

MOUNTING TOOL |DATE 2019-11-20

COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND COMPDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

5

ITEM# QTY PART # PART TITLE -5 1 RBE105-31702W19-5 SHAFT -7 1 RBE105-31702W19-7 EXTERNAL GEAR	
-9 1 RBE105-31702W19-9 WASHER	
D RBE105-31702W19-11 NUT	D
c	c
-9 -11 8	SECTION C-C
▼ WWW E	
<u>R</u> E	E105-31702W19-3 SPLINE SHAFT
NOTES:	
1) MATERIAL: N/A 2) HEAT TREAT: N/A	IGN DART AFROCRACE LTD
14) IOLERANCES: X.X = +/- 0.1" / -+/- 1" IDRA	WN KPT HAWKESBURY, ONTARIO, CANADA
	APPR. RBE105-31702W19 SHEET 3 OF 10
5) UNITS: INCHES UNLESS OTHERWISE NOTED	ROVED TITLE SCALE MOUNTING TOOL NTS COPYRIGHT © 2019 BY DART AEROSPACE LTD

X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) IDENTIFICATION: N/A

7) ASSEMBLE AS SHOWN

8) INSTALL ITEM -11 HAND TIGHT

COPYRIGHT © 2019 BY DART AEROSPACE LTD

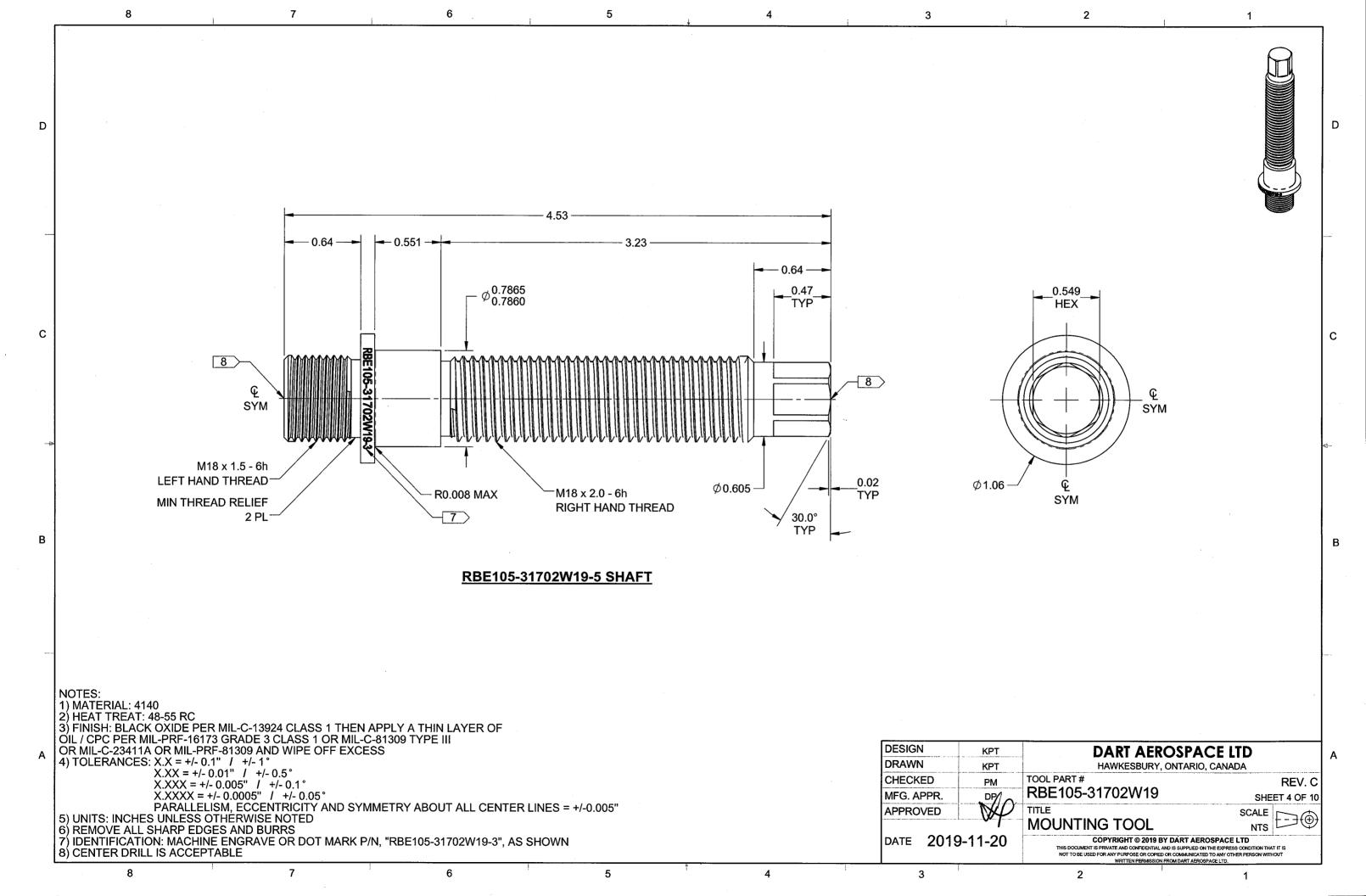
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS

NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT

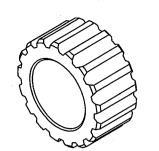
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

3

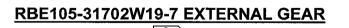
DATE 2019-11-20

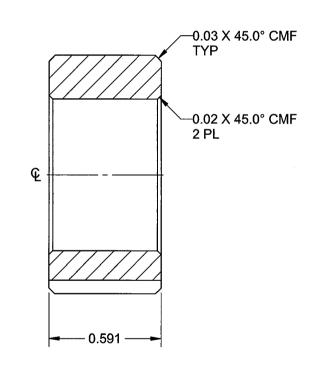


SHAFT DIN 5480 - W32 X 1.75 X 17 X	8 f
NUMBER OF TEETH	17
MODULE	1.75
PRESSURE ANGLE	30°
TIP DIAMETER	[31.49-31.65]
ROOT FORM CIRCLE DIAMETER	[28.43] MAX
ROOT DIAMETER	[27.37-28.15]
MAX EFFECTIVE TOOTH THICKNESS	[2.915]
MAX ACTUAL TOOTH THICKNESS	[2.897] REF
MIN ACTUAL TOOTH THICKNESS	[2.865]
MEASURING CIRCLE DIAMETER	[3.500]
MAX DIMENSION OVER MEASURING CIRCLES	[35.382] REF
MIN DIMENSION OVER MEASURING CIRCLES	[35.336]



0.7881 0.7873 THRU SYM





SECTION D-D

D

X.XXX = +/- 0.005" / +/- 0.1° X.XXXX = +/- 0.0005" / +/- 0.05° PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

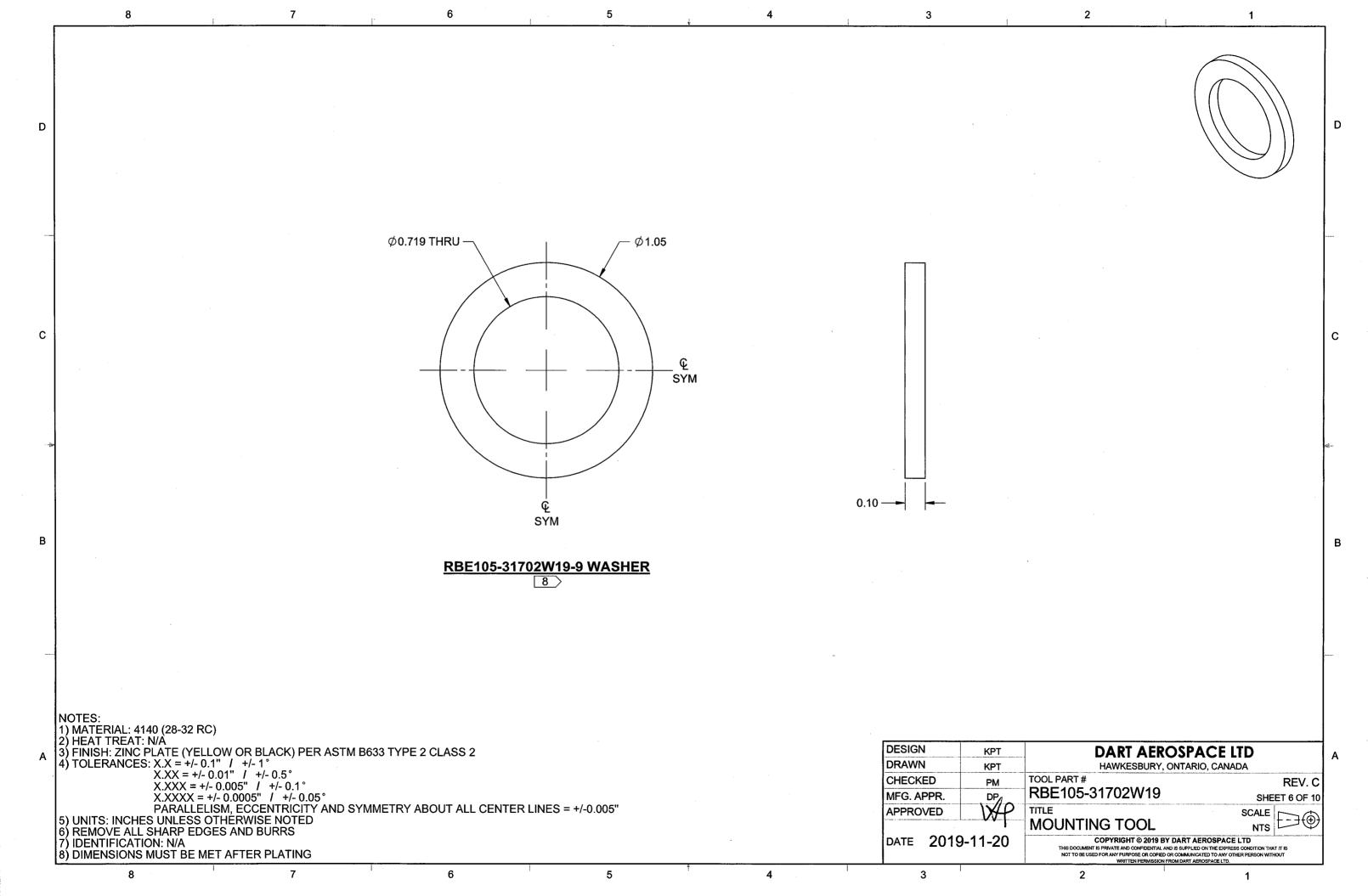
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) REMOVE ALL SHARP EDGES AND BURRS
7) IDENTIFICATION: N/A
8) SPLINE MUST SLIDE EASILY ALONG ITEM -1

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	PM	TOOL PART #	REV. C
MFG. APPR.	DP/	RBE105-31702W19	SHEET 5 OF 10
APPROVED	184	TITLE	SCALE C
	V	MOUNTING TOOL	NTS TO THE
DATE 2019-11-20		COPYRIGHT © 2019 BY DART AEI THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED O NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICAT	ON THE EXPRESS CONDITION THAT IT IS

2

6

В



2 D D 30.0°_ TYP 0.04 0.937 TYP HEX С SYM M18 x 2.0 - 6H THRU → 0.30 → SYM RBE105-31702W19-11 NUT NOTES: 1) MATERIAL: 4140 (28-32 RC) 2) HEAT TREAT: N/A 2) HEAT TREAT: N/A

3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III

OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

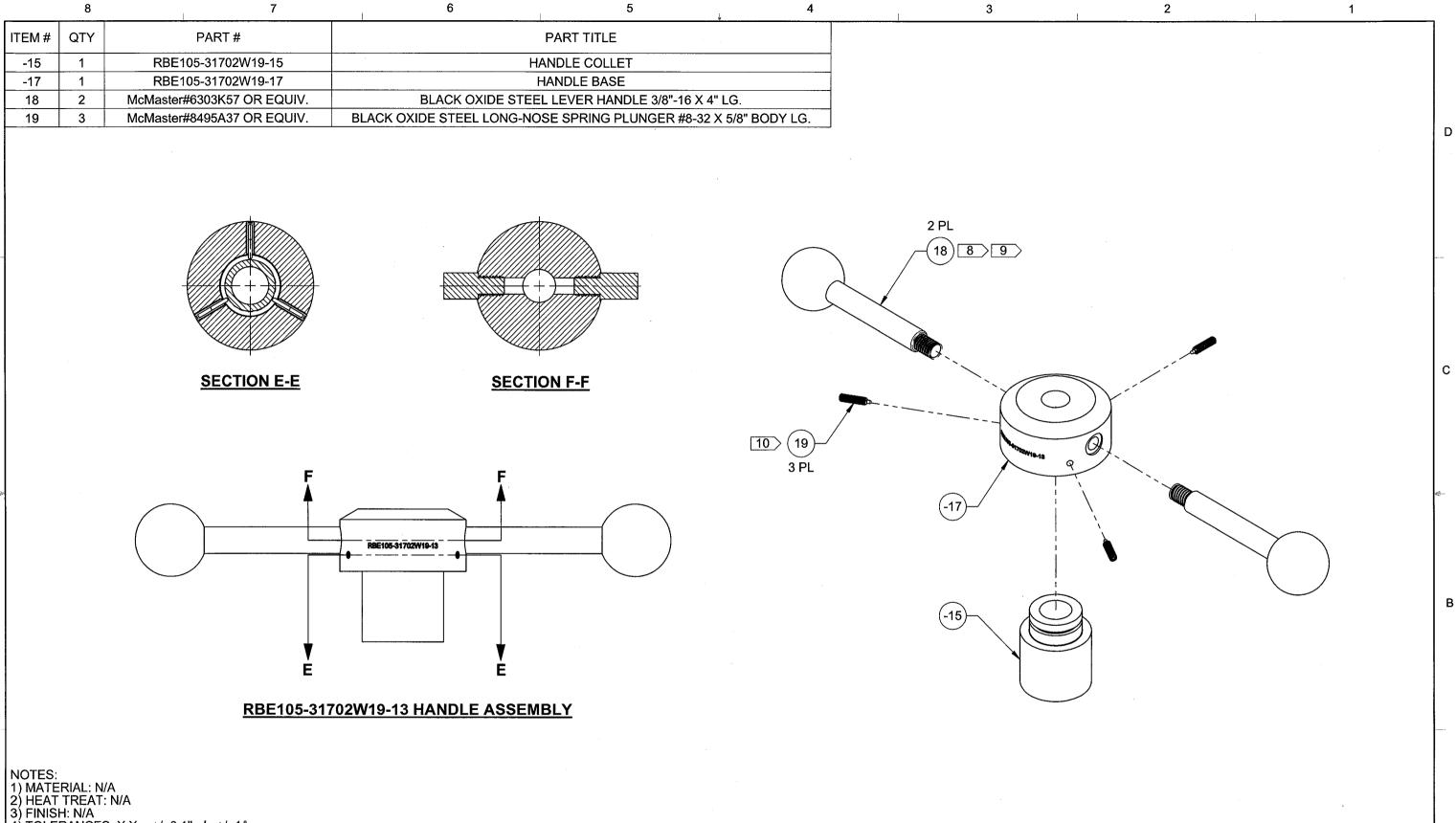
X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XYX = +/- 0.005" / +/- 0.005° DESIGN **DART AEROSPACE LTD KPT** DRAWN KPT HAWKESBURY, ONTARIO, CANADA TOOL PART# **CHECKED** РМ REV. C RBE105-31702W19 MFG. APPR. SHEET 7 OF 10 X.XXXX = +/-0.0005" / +/-0.05° TITLE **APPROVED** PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) REMOVE ALL SHARP EDGES AND BURRS SCALE NTS -**MOUNTING TOOL** COPYRIGHT © 2019 BY DART AEROSPACE LTD DATE 2019-11-20 THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMPLET OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. 7) IDENTIFICATION: N/A 5 8 3



4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/-0.01" / +/-0.5° X.XXX = +/-0.005" / +/-0.1°

X.XXXX = +/-0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

D

6) IDENTIFICATION: N/A 7) ASSEMBLE AS SHOWN

8

8) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 18 THEN ASSEMBLE WITH ITEM -17, AND REMOVE EXCESS

9) INSTALL ITEM 18 HAND TIGHT

10) WHEN INSTALLING ITEM 19, ITEM -15 MUST ROTATE FREELY AROUND ITEM -17

	ı		
DESIGN	KPT	DART AEROSPAC	E LTD
DRAWN	KPT	HAWKESBURY, ONTARIO, C.	ANADA
CHECKED	РМ	TOOL PART #	
MFG. APPR.	DP/	RBE105-31702W19	:
APPROVED	MA	TITLE	SCA
		MOUNTING TOOL	N
DATE 2019-11-20		COPYRIGHT © 2019 BY DART AEROSI THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO	EXPRESS CONDIT

NTARIO, CANADA REV. C SHEET 8 OF 10 SCALE NTS ART AEROSPACE LTD

S SUPPLIED ON THE EXPRESS CONDITION THAT IT IS COMMUNICATED TO ANY OTHER PERSON WITHOUT 6 5 2

